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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/799,127	03/11/2004	Noam Sorek		8242
	NOAM SOREI	03/11/2004 7590 09/26/2007 K M STREET	1	EXAMINER	
	15 HANOTRIM STREET		KASSA, YOSEF		
	ZICHRON YAACOV, 30900 ISRAEL			ART UNIT	PAPER NUMBER
				2624	
		03/11/2004 7590 09/26/2007 EK IM STREET			
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				09/26/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/799,127	SOREK ET AL.			
Office Action Summary	Examiner	Art Unit			
	YOSEF KASSA	2624			
The MAILING DATE of this communication appeared for Reply	pears on the cover sheet wit	h the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D  - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period  - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIC 136(a). In no event, however, may a re will apply and will expire SIX (6) MONT e, cause the application to become ABA	ATION.  ply be timely filed  "HS from the mailing date of this communication.  ANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 11 h	<u>//arch 2004</u> .				
2a) This action is <b>FINAL</b> . 2b) ⊠ This	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.				
3) Since this application is in condition for allowa	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.			
Disposition of Claims		•			
4)⊠ Claim(s) <u>1-16</u> is/are pending in the application	Claim(s) 1-16 is/are pending in the application.				
	4a) Of the above claim(s) is/are withdrawn from consideration.				
5) Claim(s) is/are allowed.	_				
6)⊠ Claim(s) <u>1-16</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/o	or election requirement.				
Application Papers					
9) The specification is objected to by the Examine	er.				
10)⊠ The drawing(s) filed on 11 March 2004 is/are:	)⊠ The drawing(s) filed on <u>11 March 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.				
Applicant may not request that any objection to the	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).				
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached	Office Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	n priority under 35 U.S.C. §	119(a)-(d) or (f).			
1. Certified copies of the priority documents have been received.					
2. Gertified copies of the priority documen		oplication No			
<ol><li>Copies of the certified copies of the price</li></ol>	ority documents have been i	received in this National Stage			
application from the International Burea					
* See the attached detailed Office action for a list	t of the certified copies not r	received.			
Attachment(s)	_				
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)		ummary (PTO-413) )/Mail Date			
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 03/11/04.		formal Patent Application			

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#### **DETAILED ACTION**

## Claim Objection

1. Claims 15 and 16 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claims 15 and 16. See MPEP § 608.01(n).

### Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Florent et al (U.S. Patent 6,574,300), and further in view of Nio et al (U.S. Patent 6,738,528).

With regard to claim 1, Florent discloses acquiring image data relating to a plurality of consecutive images (please refer to col. 2, lines 45-50);

determining a local motion factor relating to the consecutive images by specifically processing the consecutive images in a predetermined manner (refer to col. 2, lines 1-3) in order to obtain an image mask that represents information about local motion (refer to col. 3, lines 8-11);

processing the consecutive images (col. 2, lines 13-17). Florent does not disclose expressly for incorporating the image mask, to obtain final usable image

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information. However, at the same field of endeavor, Nio discloses this feature (please refer to col. 12, lines 50-56). At the time of the invention, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching Nio image masking process into Florent system. The suggestion/motivation for doing so would have been to provide an image masking system. Therefore, it would have been obvious to combine Nio with Florent to obtain the invention as specified in claim 1.

With regard to claim 2, Florent discloses wherein the step of processing the consecutive images in a predetermined manner in order to obtain information about the local motion factor comprising using spatial and temporal filters (refer to col. 2, lines 12-15).

With regard to claim 3, Florent discloses wherein the spatial and the temporal filters are employed on the mask (refer to col. 2, lines 10-17).

With regard to claim 4, Florent discloses wherein the plurality of consecutive images are acquired in different conditions (refer to col. 2, lines 50-54).

With regard to claim 5, Florent discloses the plurality of consecutive images are acquired using different exposure times (refer to col. 3, lines 37-41).

With regard to claim 6, Florent discloses wherein the plurality of consecutive images are acquired using different aperture (refer to col. 2, lines 45-53).

With regard to claim 7, Florent discloses wherein the plurality of consecutive images are acquired using different focusing distance (refer to Fig. 5B).

With regard to claim 8, Florent discloses carried out in an image domain (refer to col. 7, lines 54-58).

With regard to claim 9, Florent discloses failed to discloses carried out in a

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compressed image domain. However, at the same field of endeavor, Noi discloses this feature (please refer to col. 2, lines 45-49). At the time of the invention, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching Noi image encoding system into Florent system. The suggestion/motivation for doing so would have been to provide image compress or encoding system. Therefore, it would have been obvious to combine Noi with Florent to obtain the invention as specified in claim 9.

With regard to claim 10, Florent failed to discloses the compressed image domain is JPEG or MPEG. However, at the same field of endeavor, Noi discloses this feature (please refer to col. 25, lines 18-22). At the time of the invention, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching Noi image encoding system into Florent system. The suggestion/motivation for doing so would have been to provide MPEG image compress system.

With regard to claim 11, Florent discloses failed to discloses before the step of determining a local motion factor the image data undergoes color desaturation. However, at the same field of endeavor, Noi discloses this feature (please refer to col. 22, lines 58-63). At the time of the invention, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching Noi color image processing system. The suggestion/motivation for doing so would have been to provide color image noise eliminating process.

Claim 12 is similarly analyzed and rejected the same as claim 1.

Claim 13 is similarly analyzed and rejected the same as claim 2.

Claim 14 is similarly analyzed and rejected the same as claim 11.

With regard to claims 15 and 16, Florent discloses enhancing imaging in low light

conditions substantially as described in the present specification, accompanying drawings and appeding claims (refer to col. 5, lines 15-20).

### Other Prior Art Cited

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent No. (6819796), (6259823), (6185320), (6226045) and (5883983).

#### Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to YOSEF KASSA whose telephone number is (571) 272-7452. The examiner can normally be reached on Monday-Thursday from 8:00 AM to 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh Mehta can be reached on (571) 272-7453. The fax phone numbers for the organization where this application or proceeding is assigned is (571) 273-8300 for regular communication and (571) 273-8300 for after Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the customer service office whose telephone number is (571) 272-2600.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

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published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <a href="http://pair-direct.uspto.gov">http://pair-direct.uspto.gov</a>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). 09/18/2007.

**YOSEF KASSA** 

**PRIMARY XAMINER**